

# G52 Solar

Wireless, rugged, weatherproof Solar Tracking Device



The G52 Solar's rugged housing and built in solar panel allows the device to monitor and track assets in harsh and remote environments, without the need for an external power source.

## FEATURES

- Powered by the sun
- Rugged weatherproof housing
- High sensitivity GPS
- GSM / 3G connectivity
- SDI-12 interface for sensors

## APPLICATIONS



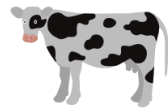
Fleet management



Multi-purpose tracking and monitoring



Anchoring and security of assets



Cattle management



Agriculture management



Remote Sensing

[www.m2mconnectivity.com.au](http://www.m2mconnectivity.com.au)

## MECHANICAL FEATURES

Housing Nylon Glass Composite, IP67 Rated

Operating temperature -20°C to +60°C

Dimensions (mm) H 33 x L 126 x W 80

Harnessing Multiple, made to order  
PWR, GND, IGN, CAN, SDI-12, input/output

## CONNECTIVITY

GSM Quadband 2G or 3G  
850/900/1800/1900/2100 MHz

SIM Single, standard size (3FF)

GPS and Cellular Antenna Internal antennas tuned by RF laboratories to ensure optimal performance

## GPS TRACKING

GPS Module High sensitivity assisted GPS receiver, 50 channel

AssistNow Offline Predicts satellite locations  
Reduces the time to first fix

Antenna with LNA Boosted by low-noise amplifier (LNA) allows operation in "urban canyons"

## POWER

Input range 9 - 24V DC, trickle charging

Output range 5V 250mA (CAN)

Backup Lithium Polymer (800mAH) standby depends on operating mode

## SPECIFICATIONS

3D Accelerometer Allows the unit to operate in very low power modes when the device cannot be recharged by a UV power source. Movement detection, vibration and shock monitoring is all possible using the G52 Solar.

Environmental Sensor Interface Connect any SDI-12 environmental sensor and collect data in remote areas, e.g. soil moisture, humidity and remote weather stations

